IV. *Two Caſes of Inſects voided by the urinary Paſſage, communicated in a Letter to the Publiſher, by Dr.* Daniel Turner, *Coll. Med Lond. Lic.*

Dec. 6. 1725.

ON the 24th of *November* laſt, a poor Woman, in my Neighbourhood, came to crave my Advice for her Grand-child, an Infant of about 16 Months old, bringing with her a Worm, which ſhe told me the Apothecary had juſt then drawn out of the Child's *Penis*, who had for ſeveral Days before labour'd under great Uneaſineſs; which (as uſually term'd by theſe People) ſhe call'd Convulſions of the Bowels. The Infant was continually drawing up the lower Limbs, and ſtraining at both Sphincters; the Urine ſeemed to paſs with Difficulty for ſome Days, till at laſt there came on a total Suppreſſion, and the Worm, advancing, ſhew'd itſelf at the Extremity of the *Urethra*, when the Apothecary was called up to help them. I examined the Inſect, and found it meaſur'd above 4 Inches, reſembling the Worms uſually excern'd *per Podicem*, of the Earth-worm Kind, but whiter; which made me think at firſt they had been miſtaken, and that the ſame had been that Way excreted. Having directed what I thought proper, I went to the Apothecary, who has the Worm now in his Cuſtody, to be better inform'd. He aſſures me, that, when he came to the Child, he ſaw a preternatural Body, which at firſt he knew not what to make of, hanging half an Inch out of the *Glans*, and lying double in the Paſſage: Perceiving it farther advancing, he took hold of it, and with little Difficulty drew forth the ſame.

The Summer before the laſt, a Woman ſhow'd me an Inſect of the Maggot Species, with a cruſty red *Galea* over the Snout, and a creſcent or forked Tail, which ſhe had juſt then voided by the urinary Paſſage.

V. *An Account of a new Machine, called the* Marine Surveyor, *contrived for the Menſuration of the Way of a Ship in the Sea, more correctly than by the* Log, *or any other Method hitherto uſed for that Purpoſe; together with ſeveral Teſtimonials, ſetting forth the Uſefulneſs of this Invention. By Mr.* Henry de Saumarez *of the Iſland of* Guernſey.

HAving for ſeveral Years applied my Studies to the Improvement of Navigation, I have fallen on various Projects, as well for the better clearing a Ship off a Lee-ſhore, as for her Steering, Tacking, or Waring, *&c.* which I may probably ſoon publiſh to the World: But what has moſt of all employ'd my Thoughts, has been to contrive ſomething to aſcertain the Way of a Ship in the Sea, more correctly than by the Log, (at preſent in Uſe in our Navigation;) the Errors of which are ſuch, that I am fully perſuaded the unhappy Fate of the brave Sir *Cloudſley Shovell*, was more owing thereto, than to any Errors in Judgment. The melancholy Reflections I made on that national Loſs, was what ſpurr'd me on to find out ſomething that would not only have a regular Motion under Water, but might communicate the ſame to a Dial, or Piece of Clock-Work, within the Ship.